





**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**(use as many sheets as necessary)**

## Sheet

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of

23

**Complete if Known**

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| Application Number | 10/749,303 |
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| Filing Date | December 30, 2003 |
|-------------|-------------------|

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| First Named Inventor | Su-Hwan Oh |
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| Art Unit | 2228 |
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Examiner Name

|                        |           |
|------------------------|-----------|
| Attorney Docket Number | 51876P551 |
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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**Examiner  
Signature**

Date Considered

10/26/01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zelman (wtr) 08/11/2003.

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| Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |  |   |  | <b>Complete if Known</b>   |  |
| Sheet <span style="font-size: 1.5em; margin: 0 10px;">2</span> of <span style="font-size: 1.5em; margin: 0 10px;">3</span>            |  | Application Number  |  | Filing Date <span style="margin-left: 20px;">10/15/04</span>             |  |
|   |  | First Named Inventor <span style="margin-left: 20px;">Su-Hwan Oh</span> |  | Art Unit <span style="margin-left: 20px;">2828</span>                    |  |
|   |  | Examiner Name   |  | Attorney Docket Number <span style="margin-left: 20px;">51876P551</span> |  |

| U.S. PATENT DOCUMENTS |                          |  |   |  |   |
|-----------------------|--------------------------|--|---|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>or Issue Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |   |  |   |
| E.H.                  |                          | US-5784183                                 | 07-21-1998                                      | Aoki et al.  | ~~~~~   |
|                       |                          | US-  |   |  |   |
|                       |                          | US-  |   |  |   |
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|                       |                          | US-  |   |  |   |
|                       |                          | US-  |   |  |   |
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| FOREIGN PATENT DOCUMENTS |                          |   |                                |  |   |                |
|--------------------------|--------------------------|---|--------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| G.C.                     |                          | 07-273400   | 10-25-1995                     | Nippon Telegr & Teleph Corp.                       | ~~~~~   |                |
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| Examiner Signature <span style="font-family: cursive; font-size: 1.2em;">[Signature]</span> | Date Considered <span style="margin-left: 20px;">10/26/05</span> |
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